

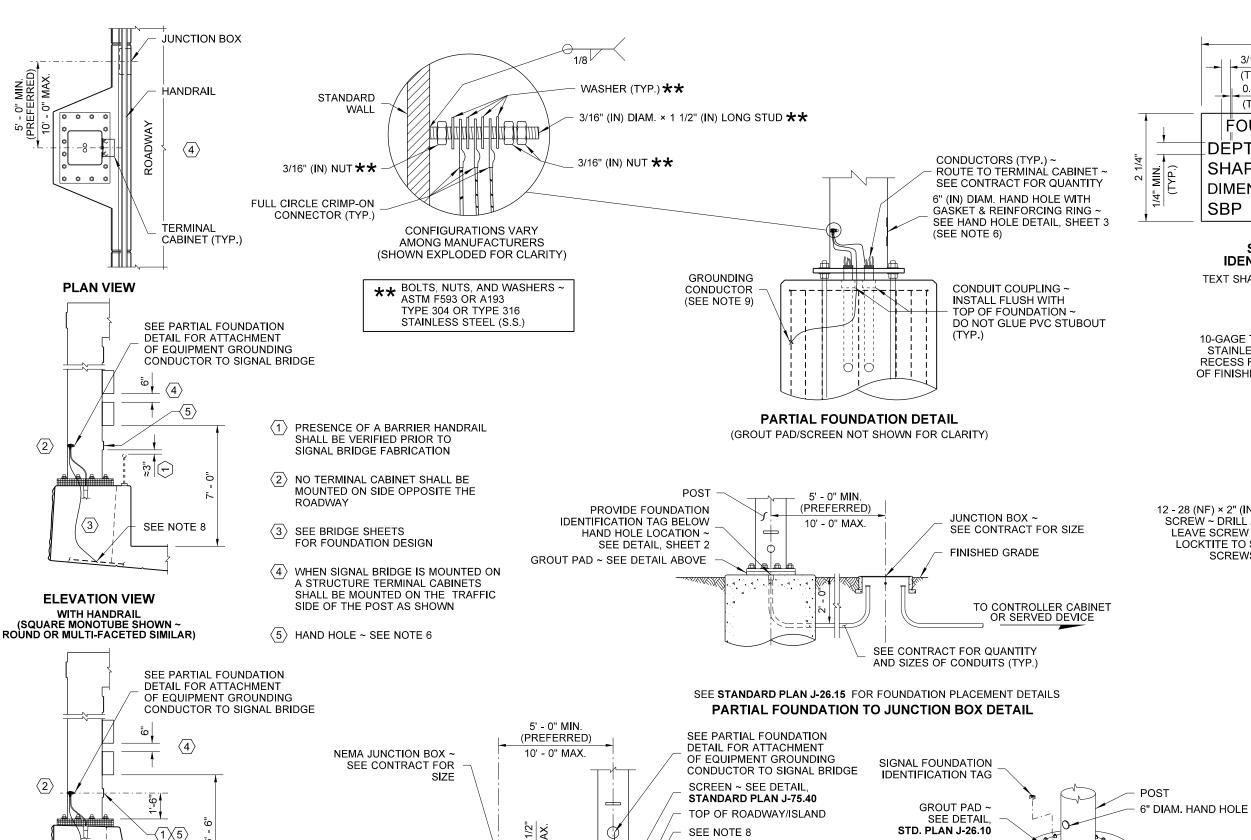
DESIGN CRITERIA

ELEVATION VIEW

SIGNAL BRIDGE SHALL BE DESIGNED AND ANALYZED IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATION FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRE AND TRAFFIC SIGNAL - FIFTH EDITION - DATED 2009 AND INTERIMS. USING BASIC WIND SPEED OF 90 MPH AND 50 YEARS OF DESIGN LIFE. FATIGUE DESIGN OF THE STRUCTURE CONFORMS TO FATIGUE CATEGORY I OF THE SPECIFIED AASHTO STANDARD SPECIFICATION.

APPROVED FOR PUBLICATION





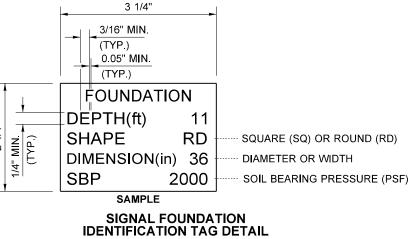
FOUNDATION DETAIL ON BRIDGE - CROSS BEAM (NO FOUNDATION ALLOWED ON BRIDGE DECK)

SEE CONTRACT FOR QUANTITY

AND SIZES OF CONDUITS (TYP.)

PARTIAL SIGNAL **FOUNDATION DETAIL** (ROUND OR MULTI-FACETED SHOWN ~ SQUARE MONOTUBE SIMILAR)

FOUNDATION



TEXT SHALL BE ENGRAVED 0.014" (IN) DEEP

10-GAGE TYPE 304 OR 316 STAINLESS STEEL TAG ~ RECESS FLUSH WITH TOP OF FINISHED FOUNDATION 12 - 28 (NF) × 2" (IN) LONG STAINLESS STEEL SCREW ~ DRILL AND TAP FROM BOTTOM ~ LEAVE SCREW FLUSH WITH TOP ~ APPLY LOCKTITE TO SCREW THREADS TO BIND SCREWS AND I.D. TAG TOGETHER

IDENTIFICATION TAG DETAIL



SIGNAL BRIDGE STANDARD **ELECTRICAL DETAILS** STANDARD PLAN J-75.41-01

SHEET 2 OF 4 SHEETS



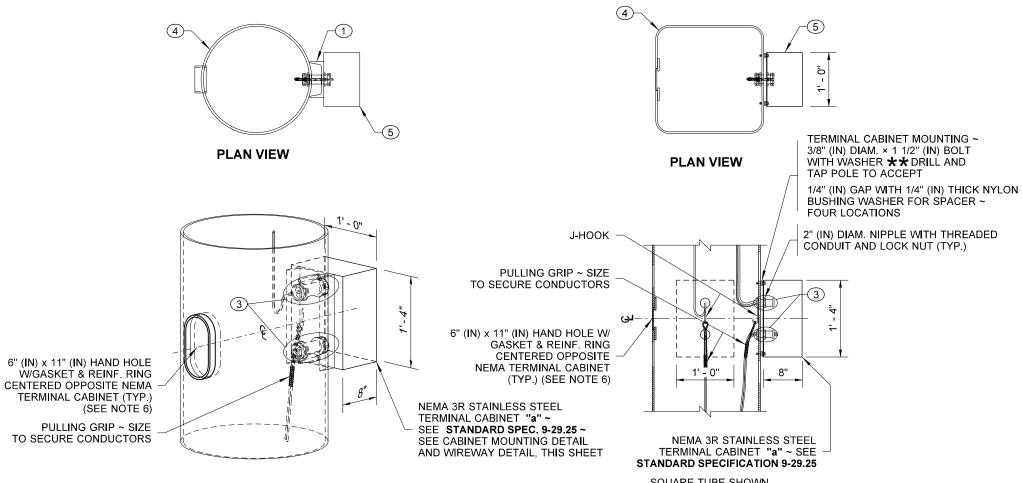
BIL

ELEVATION VIEW WITHOUT HANDRAIL (SQUARE MONOTUBE SHOWN ROUND OR MULTI-FACETED SIMILAR)

SEE NOTE 8

SIGNAL BRIDGE HAND HOLE PLACEMENT ON STANDARD

(3)



MULTI-SIDED (ROUND) TERMINAL

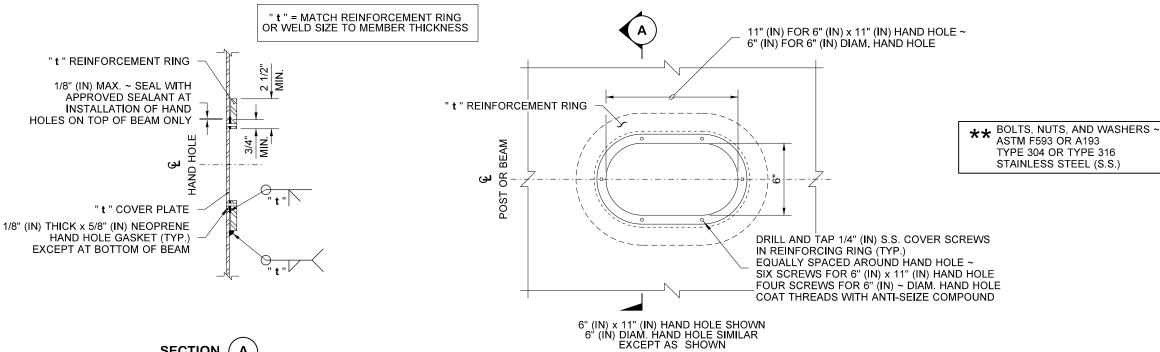
CABINET MOUNTING DETAIL

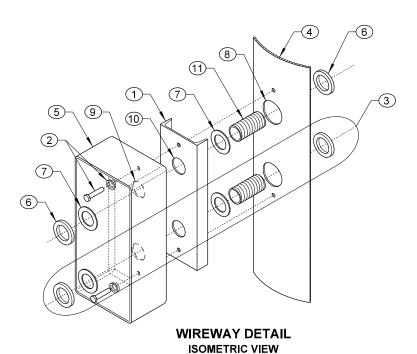
SECTION

SQUARE TUBE SHOWN. FOR MULTI-SIDED (ROUND) MONOTUBE STRUCTURE ~ ATTACH TERMINAL CABINET AS DETAILED PER MULTI-SIDED (ROUND) TERMINAL CABINET MOUNTING DETAIL

SECTION @ TERMINAL CABINET

SQUARE MONOTUBE CABINET MOUNTING DETAIL





KEY NOTES

- 1) 6 × 8.2 LB/FT CHANNEL ~ HOT-DIP GALVANIZED
- 2 TWO EACH:
 - 1/2-13 NC × 2 1/2" (IN) HEX HEAD BOLT **
 - LOCK WASHERS (DRILL AND TAP POLE TO ACCEPT) **
- (3) WIREWAY (SEE DETAIL THIS SHEET)
- 4 METAL POST
- 5 CABINET

ASTM F593 OR A193 TYPE 304 OR TYPE 316 STAINLESS STEEL (S.S.)

- 6 END BUSHING (TYP.)
- 7) SEALING LOCKNUT (TYP.)
- (8) POLE WALL DRILLED SO BUSHING WILL PASS THROUGH (TYP.)
- (9) CABINET WITH BACK WALL DRILLED 1/8" (IN) OVERSIZE OF NIPPLE (TYP.)
- (10) CHANNEL DRILLED 1/8" (IN) OVERSIZE OF NIPPLE (TYP.)
- 11) 2" (IN) DIAM. × 4" (IN) NIPPLE (UNLESS OTHERWISE NOTED) (TYP.)

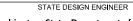


SIGNAL BRIDGE STANDARD **ELECTRICAL DETAILS**

STANDARD PLAN J-75.41-01

SHEET 3 OF 4 SHEETS

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EXAMPLE HAND HOLE DETAIL (OPENING DIMENSIONS ALSO APPLY TO MULTI-SIDED/ROUND STRUCTURES)

SQUARE MONOTUBE STRUCTURE

